

### **AMENDMENTS TO THE SPECIFICATION**

Please replace the sequence listing previously submitted and replace with the sequence listing submitted on compact disc enclosed herewith.

In the specification at page 1, after the paragraphs cross-referencing the related applications that were added in the Amendment dated October 10, 2007, please insert the following new paragraphs:

#### **SUBMISSION ON COMPACT DISC**

The contents of the following submission on compact discs are incorporated herein by reference in its entirety: two copies of the Sequence Listing (COPY 1 and COPY 2) and a computer readable form copy of the Sequence Listing (CRF COPY), all on compact disc, each containing: file name: Sequence Listing - 13173-00004-US, date recorded: December 11, 2007, size: 364 KB.

In the specification at page 1, line 4, please delete the heading "Description" and replace it with the following heading:

#### **-- BACKGROUND OF THE INVENTION --**

In the specification at page 2, before line 1, please insert the following new heading:

#### **-- BRIEF SUMMARY OF THE INVENTION --**

In the specification at page 2, line 7, please insert the following new paragraphs:

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

Figure 1 shows the nucleotide sequence comparison between KETO2 (SEQ ID NO: 22) and X86782 (SEQ ID NO: 1).

Figure 2 shows the protein sequence comparison between KETO2 (SEQ ID NO: 23) and X86782 (SEQ ID NO: 2).

Figure 3 shows the construct for the overexpression of the ketolase ( $\beta$ -C-4-oxygenase) protein from *H. pluvialis* using rbcS transit peptide from pea under the control of the d35S promoter (*Tagetes* transformation construct).

Figure 4 shows the construct pS5AP3PKETO2 for the overexpression of the ketolase ( $\beta$ -C-4-oxygenase) proteins from *H. pluvialis* using *rbcS* transit peptide from pea under the control of the AP3P promoter (*Tagetes* transformation construct).

Figure 5 shows the construct map of pJS5FNRPNOST.

Figure 6 shows the construct map of pS5AP3PNOST.

Figure 7 shows the cloning cassette for producing inverted-repeat expression cassettes for the flower-specific expression of epsilon-cyclase dsRNAs in *Tagetes erecta*.

Figure 8 shows the expression vector for the flower-specific production of dsRNA transcripts comprising 5'-terminal fragments of the epsilon-cyclase cDNA (AF251016) under the control of the AP3P promoter.

Figure 9 shows the expression vector for the flower-specific production of dsRNA transcripts comprising 5'-terminal fragments of the epsilon-cyclase cDNA (AF251016) under the control of the CHRC promoter.

Figure 10 shows the expression vector for the flower-specific production of dsRNA transcripts comprising 3'-terminal fragments of the epsilon-cyclase cDNA (AF251016) under the control of the AP3P promoter.

Figure 11 shows the inverse PCR amplicon which comprises the 312 bp fragment of the epsilon-cyclase promoter.

Figure 12 shows the TAIL PCR amplicon which comprises the 199 bp fragment of the epsilon-cyclase promoter.

Figure 13 shows the expression vector for the flower-specific production of dsRNA transcripts comprising the 312 bp promoter fragment of epsilon-cyclase under the control of the AP3P promoter.

Figure 14 shows the expression vector for the flower-specific production of dsRNA transcripts comprising the 312 bp promoter fragment of epsilon-cyclase under the control of the CHRC promoter.

Figure 15 shows the expression vector for the flower-specific production of dsRNA transcripts comprising the 312 bp promoter fragment of epsilon-cyclase under the control not only of the AP3P promoter, but also the CHRC promoter.

DETAILED DESCRIPTION OF THE INVENTION --

In the specification at page 104, line 9, please replace the paragraphs which start with "pTP09" with the following amended paragraphs:

pTP09

KpnI\_GGTACCATGGCGTCTTCTTCTTCTCACTCTCTCTCAAGCTATCCTCTC  
TCGTTCTGTCCCTCGCCATGGCTCTGCCTCTTCTTCTCAACTTTCCCCTTCTTCTCTCA  
CTTTTCCGGCCTTAAATCCAATCCCAATATCACCACCTCCCGCCGCCGTACTCCTTC  
CTCCGCCGCCGCCGCCGCGTCGTAAGGTCACCGGCGATTTCGTGCCTCAGCTGCAAC  
CGAAACCATAGAGAAAAGTACTGAGACTGCGGGATCC\_BamHI (SEQ ID NO: 143)

pTP10

KpnI\_GGTACCATGGCGTCTTCTTCTTCTCACTCTCTCTCAAGCTATCCTCTC  
TCGTTCTGTCCCTCGCCATGGCTCTGCCTCTTCTTCTCAACTTTCCCCTTCTTCTCTCA  
CTTTTCCGGCCTTAAATCCAATCCCAATATCACCACCTCCCGCCGCCGTACTCCTTC  
CTCCGCCGCCGCCGCCGCGTCGTAAGGTCACCGGCGATTTCGTGCCTCAGCTGCAAC  
CGAAACCATAGAGAAAAGTACTGAGACTGCGCTGGATCC\_BamHI (SEQ ID NO: 144)

pTP11

KpnI\_GGTACCATGGCGTCTTCTTCTTCTCACTCTCTCTCAAGCTATCCTCTC  
TCGTTCTGTCCCTCGCCATGGCTCTGCCTCTTCTTCTCAACTTTCCCCTTCTTCTCTCA  
CTTTTCCGGCCTTAAATCCAATCCCAATATCACCACCTCCCGCCGCCGTACTCCTTC  
CTCCGCCGCCGCCGCCGCGTCGTAAGGTCACCGGCGATTTCGTGCCTCAGCTGCAAC  
CGAAACCATAGAGAAAAGTACTGAGACTGCGGGGATCC\_BamHI (SEQ ID NO: 145)